

ABSTRACT OF THE DISCLOSURE

Network architecture for a mobile communication system includes a plurality of Internet protocol (IP) routers that serve as gateways for transmitting data from one mobile terminal to another mobile terminal over a public Internet network. The architecture also includes a home agent (HA) and an authorization authentication accounting (AAA) server, both of which are located on the public Internet network. The HA performs initial registration of mobile terminals, IP routing, and management of mobility of the mobile terminals. The AAA server performs authorization, authentication and accounting for the mobile terminals to allow the mobile terminals access to the public Internet network and stores AAA information of each of the mobile terminals. A plurality of radio access points (RAPs), which are respectively connected to the public Internet network via the IP routers, connect the mobile terminals to the public Internet network.